IN THE CLAIMS:

Claims 3, 12, 21, and 31 were previously cancelled without prejudice or disclaimer. Claims 1, 2, 7-11, 16-20, 25-30 are cancelled herein without prejudice or disclaimer. Claims 4, 6, 13, 15, 22, 24, 32, 34, 42, and 43 have been amended herein without prejudice or disclaimer. All of the pending claims 4-6, 13-15, 22-24, 32-34, 42, and 43 are presented below. This listing of claims will replace all prior versions and listings of claims in the application. Please enter these claims as amended.

Listing of the Claims:

1.-3. (Cancelled)

4. (Currently amended) ~~The method according to claim 1~~A method for expressing in a plant a heterologous glycerol-3-phosphate dehydrogenase that is less sensitive to feedback inhibition than a wild-type glycerol-3-phosphate dehydrogenase of the plant, the method comprising the steps of:

providing a vector comprising a DNA sequence encoding a heterologous glycerol-3-phosphate dehydrogenase that is less sensitive to feedback inhibition than the wild-type glycerol-3-phosphate dehydrogenase of the plant; and

transforming the plant with the vector, wherein the DNA sequence comprises a DNA sequence encoding the amino acid sequence listed in SEQ ID NO:2.

5. (Previously presented) The method according to claim 4, wherein the DNA sequence comprises the nucleotide sequence listed in SEQ ID NO:1.

6. (Currently amended) ~~The method according to claim 1~~A method for expressing in a plant a heterologous glycerol-3-phosphate dehydrogenase that is less sensitive to feedback inhibition than a wild-type glycerol-3-phosphate dehydrogenase of the plant, the method comprising the steps of:

providing a vector comprising a DNA sequence encoding a heterologous glycerol-3-phosphate dehydrogenase that is less sensitive to feedback inhibition than the wild-type

glycerol-3-phosphate dehydrogenase of the plant; and

transforming the plant with the vector, wherein the heterologous glycerol-3-phosphate dehydrogenase has the amino acid sequence listed in SEQ ID NO:2.

7.-12. (Cancelled)

13. (Currently amended) ~~The plant according to claim 10~~ A plant expressing a heterologous glycerol-3-phosphate dehydrogenase that is less sensitive to feedback inhibition than a wild-type glycerol-3-phosphate dehydrogenase of the plant, wherein the plant comprises a DNA sequence encoding the amino acid sequence listed in SEQ ID NO:2.

14. (Previously presented) The plant according to claim 13, wherein the plant comprises a DNA sequence as listed in SEQ ID NO:1.

15. (Currently amended) ~~The plant according to claim 10~~ A plant expressing a heterologous glycerol-3-phosphate dehydrogenase that is less sensitive to feedback inhibition than a wild-type glycerol-3-phosphate dehydrogenase of the plant, wherein the heterologous glycerol-3-phosphate dehydrogenase has the amino acid sequence listed in SEQ ID NO:2.

16.-21. (Cancelled)

22. (Currently amended) ~~The method according to claim 19~~A method for producing a genetically altered plant having altered fatty acid content in its glycerolipids, the method comprising the steps of:

providing a vector comprising a DNA sequence encoding a heterologous glycerol-3-phosphate dehydrogenase that is less sensitive to feedback inhibition than a wild-type glycerol-3-phosphate dehydrogenase of the plant; and

transforming the plant with the vector, wherein the DNA sequence comprises a DNA sequence encoding the amino acid sequence listed in SEQ ID NO:2.

23. (Previously presented) The method according to claim 22, wherein the DNA sequence comprises the nucleotide sequence listed in SEQ ID NO:1.

24. (Currently amended) ~~The method according to claim 19~~A method for producing a genetically altered plant having altered fatty acid content in its glycerolipids, the method comprising the steps of:

providing a vector comprising a DNA sequence encoding a heterologous glycerol-3-phosphate dehydrogenase that is less sensitive to feedback inhibition than a wild-type glycerol-3-phosphate dehydrogenase of the plant; and

transforming the plant with the vector, wherein the heterologous glycerol-3-phosphate dehydrogenase has the amino acid sequence listed in SEQ ID NO:2.

25.-31. (Cancelled)

32. (Currently amended) ~~The method according to claim 29~~A method for producing a genetically altered plant having increased stress tolerance relative to the wild-type levels of stress tolerance of the plant, the method comprising the steps of:

providing a vector comprising a DNA sequence encoding a heterologous glycerol-3-phosphate dehydrogenase that is less sensitive to feedback inhibition than a wild-type glycerol-3-phosphate dehydrogenase of the plant; and

transforming the plant with the vector, wherein the DNA sequence comprises a DNA sequence encoding the amino acid sequence listed in SEQ ID NO:2.

33. (Previously presented) The method according to claim 32, wherein the DNA sequence encoding the heterologous glycerol-3-phosphate dehydrogenase comprises the sequence listed in SEQ ID NO. 1.

34. (Currently amended) ~~The method according to claim 29~~A method for producing a genetically altered plant having increased stress tolerance relative to the wild-type levels of stress tolerance of the plant, the method comprising the steps of:

providing a vector comprising a DNA sequence encoding a heterologous glycerol-3-phosphate dehydrogenase that is less sensitive to feedback inhibition than a wild-type glycerol-3-phosphate dehydrogenase of the plant; and

transforming the plant with the vector, wherein the heterologous glycerol-3-phosphate dehydrogenase has the amino acid sequence listed in SEQ ID NO:2.

35.-41. (Cancelled)

42. (Currently amended)A plant or plant progeny expressing a heterologous glycerol-3-phosphate dehydrogenase that is less sensitive to feedback inhibition than a wild-type glycerol-3-phosphate dehydrogenase of the plant, said plant comprising:

the heterologous glycerol-3-phosphate dehydrogenase comprising a DNA sequence encoding ~~an~~ the amino acid sequence of SEQ ID NO:2.

43. (Currently amended)A transgenic plant or progeny thereof comprising:

a DNA sequence encoding ~~an~~ the amino acid sequence of SEQ ID NO:2.